

Project Descriptions for December 4, 2019

Board of Trustees Meeting

Clean Water Commitments

Harwich CW-18-23

The Town of Harwich will be implementing Phase 2 of their Comprehensive Wastewater Management Plan and will be installing a sewer collection system in the Pleasant Bay Watershed. After a 400% population increase since 1951, the Town has seen water quality issues due to septic systems releasing nutrients which infiltrate into the ground and over fertilize water bodies, resulting in degraded water quality. Wastewater collected in Pleasant Bay in Harwich will be treated at the existing Chatham Water Pollution Control Facility. The Towns of Harwich and Chatham have signed an inter-municipal agreement to work together to meet their shared goals of the Pleasant Bay TMDL and to protect their resources, which include drinking water supply wells.

Sudbury CW-19-16

This project includes updates of previous studies into a CWMP and complete tasks initiated by bringing the planning into a document with tasks to update Needs Areas and corresponding flows and loads, review and update evaluations for potential wastewater treatment facility siting, on-site investigations for groundwater discharge and development of public outreach.

Drinking Water Commitment

Auburn Water District DW-19-19

This project includes the construction of a new 1 million gallon capacity water storage tank to replace an existing 2 million gallon capacity water storage tank. The new tank is necessary to replace aging and deteriorating infrastructure, reduce excess storage capacity, and improve water quality by reducing water age and adding water mixing capabilities.

Asset Management Program Grant Agreement

Springfield Water & Sewer Commission DWA-19-09

The purpose of this project is to develop an asset management plan that can be used to maintain and schedule capital replacements to the water distribution system. As part of this project, the utility's existing GIS and hydraulic model will be updated. Then, using updated information, an assessment of the distribution system will be made to identify areas of poor distribution (low pressure, high headloss, water quality issues, etc), areas vulnerable to failure based upon pipe age, condition, maintenance history, and break history. An Asset Management and Capital Improvements Plan will then be developed to identify the highest priority water distribution pipeline replacement needs and the effect on the water user rates for the next 20 years.

Clean Water Agreements

Harwich CWP-18-23

The Town of Harwich will be implementing Phase 2 of their Comprehensive Wastewater Management Plan and will be installing a sewer collection system in the Pleasant Bay Watershed. After a 400% population increase since 1951, the Town has seen water quality issues due to septic systems releasing nutrients which infiltrate into the ground and over fertilize water bodies, resulting in degraded water quality. Wastewater collected in Pleasant Bay in Harwich will be treated at the existing Chatham Water Pollution Control Facility. The Towns of Harwich and Chatham have signed an inter-municipal agreement to work together to meet their shared goals of the Pleasant Bay TMDL and to protect their resources, which include drinking water supply wells.

Sudbury CW-19-16

This project includes updates of previous studies into a CWMP and complete tasks initiated by bringing the planning into a document with tasks to update Needs Areas and corresponding flows and loads, review and update evaluations for potential wastewater treatment facility siting, on-site investigations for groundwater discharge and development of public outreach.